

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

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Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L4

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side by side

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L4</u>	L3 AND SULFURIC ACID	3	<u>L4</u>
<u>L3</u>	L2 AND EXTRACT\$5 AND FERMENTAT\$5 AND STRIP\$5	4	<u>L3</u>
<u>L2</u>	L1 AND LACTIC ACID.TI.	30	<u>L2</u>
<u>L1</u>	RATIO WITH LACTIC ACID WITH LACTATE	100	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 30 returned.**☐ 1. Document ID: US 20030004375 A1

L2: Entry 1 of 30

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004375

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004375 A1

TITLE: Process for producing a purified lactic acid solution

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mizrahi, Joseph	Haifa	MN	IL	
Eyal, Aharon	Jerusalem		IL	
Riki, Canari	Jerusalem		IL	
Hazan, Betty	Jerusalem		IL	
Starr, John N.	Chaska		US	

US-CL-CURRENT: 562/589

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 2. Document ID: US 20020128508 A1

L2: Entry 2 of 30

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020128508

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020128508 A1

TITLE: PROCESS FOR THE RECOVERY OF LACTIC ACID

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
EYAL, AHARON MEIR	JERUSALEM	MN	IL	
WITZKE, DAVID	EDEN PRAIRIE	MN	US	
FISHER, ROD	EDEN PRAIRIE		US	

US-CL-CURRENT: 562/485; 562/580, 562/589, 562/593

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 3. Document ID: US 20020102672 A1

L2: Entry 3 of 30

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102672
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102672 A1

TITLE: PROCESS FOR PRODUCING A PURIFIED LACTIC ACID SOLUTION

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MIZRAHI, JOSEPH	HAIFA	MN	IL	
EYAL, AHARON	JERUSALEM		IL	
RIKI, CANARI	JERUSALEM		IL	
HAZAN, BETTY	JERUSALEM		IL	
STARR, JOHN	CHASKA		US	

US-CL-CURRENT: 435/139

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 4. Document ID: US 20020004611 A1

L2: Entry 4 of 30

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004611
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020004611 A1

TITLE: Lactic acid processing; methods; arrangements; and, products

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Eyal, Aharon M.	Jerusalem	MN	IL	
Starr, John N.	Chaska	MN	US	
Fisher, Rod	Eden Prairie	IA	US	
Hazan, Betty	Jerusalem	MN	IL	
Canari, Riki	Beit Zeit	MN	IL	
Witzke, David R.	Oskaloosa		US	
Gruber, Patrick R.	Blaine		US	
Kolstad, Jeffrey J.	Wayzata		US	

US-CL-CURRENT: 562/589

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 5. Document ID: US 6534679 B2

L2: Entry 5 of 30

File: USPT

Mar 18, 2003

US-PAT-NO: 6534679
DOCUMENT-IDENTIFIER: US 6534679 B2

TITLE: Lactic acid processing; methods; arrangements; and, products

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 6. Document ID: US 6475759 B1

L2: Entry 6 of 30

File: USPT

Nov 5, 2002

US-PAT-NO: 6475759

DOCUMENT-IDENTIFIER: US 6475759 B1

**** See image for Certificate of Correction ****

TITLE: Low PH lactic acid fermentation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 7. Document ID: US 6403844 B1

L2: Entry 7 of 30

File: USPT

Jun 11, 2002

US-PAT-NO: 6403844

DOCUMENT-IDENTIFIER: US 6403844 B1

**** See image for Certificate of Correction ****

TITLE: Condensed phase catalytic hydrogenation of lactic acid to propylene glycol

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 8. Document ID: US 6342626 B1

L2: Entry 8 of 30

File: USPT

Jan 29, 2002

US-PAT-NO: 6342626

DOCUMENT-IDENTIFIER: US 6342626 B1

TITLE: Process for the preparation of alkyl esters from commercial lactic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 9. Document ID: US 6320077 B1

L2: Entry 9 of 30

File: USPT

Nov 20, 2001

US-PAT-NO: 6320077

DOCUMENT-IDENTIFIER: US 6320077 B1

TITLE: Lactic acid processing; methods; arrangements; and, product

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 10. Document ID: US 6280985 B1

L2: Entry 10 of 30

File: USPT

Aug 28, 2001

US-PAT-NO: 6280985

DOCUMENT-IDENTIFIER: US 6280985 B1

TITLE: Process for the separation and purification of lactic acid from a fermentation medium

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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L2: Entry 11 of 30

File: USPT

May 8, 2001

US-PAT-NO: 6229046

DOCUMENT-IDENTIFIER: US 6229046 B1

TITLE: Lactic acid processing methods arrangements and products

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWNC	Draw Desc	Image
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☐ 12. Document ID: US 5503750 A

L2: Entry 12 of 30

File: USPT

Apr 2, 1996

US-PAT-NO: 5503750

DOCUMENT-IDENTIFIER: US 5503750 A

TITLE: Membrane-based process for the recovery of lactic acid by fermentation of carbohydrate substrates containing sugars

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWNC	Draw Desc	Image
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☐ 13. Document ID: US 4467811 A

L2: Entry 13 of 30

File: USPT

Aug 28, 1984

US-PAT-NO: 4467811

DOCUMENT-IDENTIFIER: US 4467811 A

TITLE: Method of polarographic analysis of lactic acid and lactate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWNC	Draw Desc	Image
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☐ 14. Document ID: US 4169102 A

L2: Entry 14 of 30

File: USPT

Sep 25, 1979

US-PAT-NO: 4169102

DOCUMENT-IDENTIFIER: US 4169102 A

TITLE: Process for the manufacture of partially neutralized mixed esters of lactic acid, citric acid and partial glycerides of fatty acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWNC	Draw Desc	Image
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☐ 15. Document ID: EP 86108 A2

L2: Entry 15 of 30

File: EPAB

Aug 17, 1983

PUB-NO: EP000086108A2

DOCUMENT-IDENTIFIER: EP 86108 A2

TITLE: Method of measuring lactic acid in a liquid.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: KR 2001035797 A

L2: Entry 16 of 30

File: DWPI

May 7, 2001

DERWENT-ACC-NO: 2001-587590

DERWENT-WEEK: 200166

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TITLE: Fermentation method controlling pH value and amount of acetic acid and lactic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: CN 1249301 A

L2: Entry 17 of 30

File: DWPI

Apr 5, 2000

DERWENT-ACC-NO: 2000-388278

DERWENT-WEEK: 200034

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TITLE: Process for preparing sodium lactate - by mixing lactic acid with methanol, ethanol or butanol and esterification

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: JP 10000229 A

L2: Entry 18 of 30

File: DWPI

Jan 6, 1998

DERWENT-ACC-NO: 1998-113709

DERWENT-WEEK: 199811

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TITLE: Bioactive and bio:absorbable organic or inorganic complex for controlled release of drug having bone morphogenetic and bone conduction ability - consists of lactate polyester containing structural units derived from lactic acid and polyester derived from di:carboxylic acid and diol

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 19. Document ID: JP 09301875 A

L2: Entry 19 of 30

File: DWPI

Nov 25, 1997

DERWENT-ACC-NO: 1998-059095
DERWENT-WEEK: 199806
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TITLE: Blood dialysis formulation, without acetic acid - uses bi:carbonate as alkali and lactic acid-lactate system as buffer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMNC	Draw Desc	Image
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☐ 20. Document ID: JP 09002999 A

L2: Entry 20 of 30

File: DWPI

Jan 7, 1997

DERWENT-ACC-NO: 1997-115231
DERWENT-WEEK: 199711
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TITLE: Aluminium lactate crystals prepn. in high yield and purity - comprises adding lactic acid to basic aluminium lactate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMNC	Draw Desc	Image
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L2: Entry 21 of 30

File: DWPI

Feb 15, 1994

DERWENT-ACC-NO: 1994-270602

DERWENT-WEEK: 199433

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TITLE: Prodn. of vodka - from pure spirit, water, sugar, lactic acid and additionally sodium bi:carbonate, to improve quality

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 22. Document ID: JP 05227911 A

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File: DWPI

Sep 7, 1993

DERWENT-ACC-NO: 1993-316572

DERWENT-WEEK: 199340

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TITLE: Flavouring compsn. - contains nucleic acid type flavouring substance, glutamic and, potassium and lactic acid, and sodium or potassium lactate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 23. Document ID: SU 1827622 A1

L2: Entry 23 of 30

File: DWPI

Jul 15, 1993

DERWENT-ACC-NO: 1995-012916

DERWENT-WEEK: 199502

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TITLE: Brain-stem functional state assessment method - by determining acid-base state indices and lactic acid, pyruvic acid and lactate-pyruvate ratio in blood samples

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 24. Document ID: DE 3908974 A

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File: DWPI

Sep 20, 1990

DERWENT-ACC-NO: 1990-291271

DERWENT-WEEK: 199039

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TITLE: Agent for intermediate treatment of hair during permanent waving - contg. alpha ammonium epsilon caprolactam lactate and lactic acid, with little or no water

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 25. Document ID: JP 63039994 A JP 95026114 B2

L2: Entry 25 of 30

File: DWPI

Feb 20, 1988

DERWENT-ACC-NO: 1988-088515

DERWENT-WEEK: 198813

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TITLE: Good quality liq. detergent compsn. - contg. aliphatic prim. alcohol ethoxy:sulphate with lactic acid and/or lactate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 26. Document ID: JP 63039852 A JP 93012341 B

L2: Entry 26 of 30

File: DWPI

Feb 20, 1988

DERWENT-ACC-NO: 1988-088434

DERWENT-WEEK: 198813

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TITLE: Prepn. of stabilised prim. alcohol ethoxy:sulphonate(s) - by sulphonating mixt. of prim. alcohol(s) and acetic acid with lactic acid and/or lactate(s)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 27. Document ID: US 4626541 A

L2: Entry 27 of 30

File: DWPI

Dec 2, 1986

DERWENT-ACC-NO: 1986-338919

DERWENT-WEEK: 198651

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TITLE: Stable m-AMSA antitumour compsn. - contains lactic acid and pyroglutamic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 28. Document ID: JP 61172847 A

L2: Entry 28 of 30

File: DWPI

Aug 4, 1986

DERWENT-ACC-NO: 1986-242905

DERWENT-WEEK: 198637

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TITLE: High purity basic aluminium lactate prepn. - by reacting pulverised aluminium metal with lactic acid in presence of mineral acid(s) and/or mineral acid aluminium salt(s) as catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 29. Document ID: JP 57080340 A JP 83005174 B

L2: Entry 29 of 30

File: DWPI

May 19, 1982

DERWENT-ACC-NO: 1982-53176E

DERWENT-WEEK: 198226

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TITLE: Basic aluminium lactate prodn. - from lactic acid and aluminium salt-carbonate reaction prod.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 30. Document ID: DE 2403306 A

L2: Entry 30 of 30

File: DWPI

Jul 31, 1975

DERWENT-ACC-NO: 1975-52673W

DERWENT-WEEK: 197532

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TITLE: Growing yeasts for baking or for use as protein food - in mixed culture of lactic acid bacteria and yeasts assimilating lactic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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